

SOLOV'IEV, Nikolay Vasil'yevich; YZRMILOV, Petr Ivanovich; STREL'CHUK,
Nikolay Antonovich. Prinimal uchastiye IVAHOV, L.A. SEGAL,
A.Ya., red.; SHPAK, Ye.O., tekhn.red.

[Principles of safety and fire-prevention techniques in the
chemical industry] Osnovy tekhniki bezopasnosti i protivo-
poshernoj tekhniki v khimicheskoi promyshlennosti. Moskva,
Gos.nauchno-tekhn.izd-vo khim.lit-ry, 1960. 393 p.

(MIRA 13:11)

(Chemical industries--Safety measures)

TAUBKIN, Solomon Isaakovich; BAKATOV, Anatoliy Nikolayevich;
NIKITINA, Nina Sergeyevna; SOLOV'YEV, M.V., red.;
CHEKRYZHOU, V.A., red. izd-va; PYRKINA, N.F., tekhn. red.

[Handbook on the fire hazards of solid substances and ma-
terials] Spravochnik pozharopasnosti tverdykh veshchestv i
materialov. Moskva, Izd-vo M-va kommun.khoz. RSFSR, 1961.
146 p. (MIRA 15:8)
(Fire prevention) (Inflammable materials)

SOLOV'YEV, N.V., dots., kand. tekhn. nauk; VEDERNIKOV, A.I., red.; KUROVA, A.V., red.; KLETNAYA, L.G., tekhn. red.

[Fundamentals of safety engineering and fire prevention in railroad transportation; course of lectures for students of all branches]
Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki na zhelezno-dorozhnom transporte; kurs lektsii dlja studentov vsekh spetsial'nostei. Moskva, M-vo putei soobshchenija Vses.zaochnyi in-t inzhenerov zhel-dor.transp., 1961. 308 p. (MIRA 14:12)

(Railroads--Safety measures)
(Railroads--Fires and fire prevention)

ARKHIPOV, Konstantin Nikolayevich; SOLOV'YEV, Nikolay Vasil'yevich,
prof.; Prinimali uchastiye: GLEBOV, A.G.; TOLCHINSKIY, S.S.;
ZOLOTNITSKIY, N.D., doktor tekhn. nauk, prof., red.;
VERESKUNOV, V.K., nauchnyy red.; ZHURAVLEV, B.A., red.izd-va;
KASIMOV, D.Ya., tekhn. red.

[Fundamentals of safety engineering and fire prevention in the
building materials industry] Osnovy tekhniki bezopasnosti i pro-
tivopozharnoi tekhniki v promyshlennosti stroitel'nykh materialov.
Pod obshchei red. N.D.Zolotnitskogo. Moskva, Gosstroizdat,
1962. 295 p. (MIRA 16:1)
(Building materials industry--Fires and fire prevention)
(Industrial safety)

ZAPRUDANOVA, Varvara Pavlovna. Prinimali uchastiye: KASHIN, V.A., nauchn. sotr.; KUTANIN, A.F., nauchn. sotr.; SOLOV'IEV, N.V., retsenzent; USPENSKIY, S.D., retsenzent; FUZYREV, A.V., retsenzent; SHTED NGART, M.D., red.

[Fundamentals of safety engineering and fire prevention in textile enterprises] Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki na tekstil'nykh predpriatiakh. Moskva, Gizlegprom, 1963. 202 p. (MIRA 17:6)

1. Ivanovskiy institut okhrany truda Vsesoyuznogo tsentral'nogo soveta profsoyuzov (for Kashin, Kutinan).

GOLOV'YEV, N.V., red.; BORNEYEVA, V.I., tekhn. red.

[Programs for the grades 5-8 of evening (staggered)
secondary general schools; biology] Programmy V - VIII
klassov vechernoi (smennoi) srednei obshchecobrazovatel'-
noi shkoly; biologiya. Moskva, Uchpedgiz, 1961. 36 p.
(MIRA 15:11)

1. Russia (1917- R.S.F.S.R.) Ministerstvo prosveshcheniya.
(BIOLOGY--STUDY AND TEACHING)

SOLOV'YEV, N.V., red.; MAKAROVA, N.F., tekhn. red.

[Secondary school programs for the 1962-1963 school year]
Programmy srednei shkoly na 1962/1963 uchebnyi god. chernie.
Moskva, Uchpedgiz, 1962. 13 p. (MIRA 15:10)

1. Russia (1917- R.S.F.S.R.)Ministerstvo prosveshcheniya.
(Mechanical drawing--Study and teaching)

SOLOV'YEV, N.V., red.; BREYS, I.G., tekhn. red.

[Programs of the eight-year school; biology] Programmy vos'mi-
letnei shkoly; biologiya. Moskva, Uchpedgiz, 1962. 60 p.
(MIRA 15:10)

1. Russia (1917- R.S.F.S.R.) Ministerstvo prosveshcheniya.
(Biology---Study and teaching)

SOLOV'YEV, Nikolay Vladimirovich; STUKUSHIN, V.I., retsenzent; SOLOMATIN, V.M., retsenzent; FRIK, A.O., redaktor; KAN, P.M., redaktor izdatel'stva; KRASNAYA, A.K., tekhnicheskiy redaktor

[Electric propeller equipment for river boats fo the Rossia" type] "Elektrogrebnais stanovka rechnykh sudov tipa "Rossiiia." Moskva, Izd-vo "Rechnoi transport," 1957. 65 p. (MIRA 10:9)
(Ship propulsion, Electric)

SOV/144-59-8-6/14

AUTHORS: Oleynikov, V.A. (Cand.Tech.Sci., Docent);
Solov'yev, N.V. Semov, Yu. M., Aspirants

TITLE: Pulse System for Speed Control of Direct Current Motor

PERIODICAL: Izvestiya vysshikh uchebnykh zavodov,
Elektromekhanika, 1959, Nr 8, pp 61-70 (USSR)

ABSTRACT: Methods of speed control for separately-excited d.c. motors are known (Refs 1 and 2) but usually require a d.c. amplifier, special supplies and are generally lacking in stability. The method proposed does not require special supplies and lends itself to transistorization. The principal features of the whole arrangement are in Fig 1. The motor is a PN-45 (4 kW, 220 V, 2200 rpm), the crossed-field amplifier is an EMU-24-3000 (2.5 kW, 230 V, 3000 rpm). The sensing element is a d.c. tacho-generator coupled to a source of standard voltage. This is followed by a pulse-converter (converting direct-voltage error into variable-duration pulses) and pulse power amplifier feeding the control winding on the EMU. The pulse converter is shown in Fig 2. Valves μ_1 and μ_2 form a biased, cathode-coupled multivibrator driven at 160 c/s from a pulse generator. The bias on μ_2 is controlled by the direct

Card 1/4

SOV/144-59-8-6/14

Pulse System for Speed Control of Direct Current Motor

voltage applied to the grid of A_3 . Eqs (1) and (2) give the grid voltages at A_2 for valve A_3 respectively cut-off and conducting. Fig 3 shows the exponential character of the voltage change at the grid of A_2 for the two conditions of A_3 . When the signal increases the A_2 anode pulse narrows while the A_1 anode pulse widens. The resistance R_{a3} extends the range of linear operation. Fig 4 is a measured relation between pulse width at A_1 anode and the input voltage at A_3 . The transfer coefficient of the pulse converter is the slope of this characteristic, K_u as in Eq (5). Taking into account the gain of the power amplifier, K_y (Eq (6)), the overall transconductance is 64 mA/V. The remaining transfer coefficients are: the motor 0.314, the crossed-field machine 7.8, the tacho-generator 5.4. Voltage feedback on the crossed-field machine, 0.01. These parameters are sufficient to give speed control of a range of 30:1 with an accuracy of 10%. Speed/torque (current) curves are in Fig 6. If the pulse rate is high enough their intermittent nature can be neglected in a transient analysis. The block diagram for such an

Card 2/4

SOV/144-59-8-6/14

Pulse System for Speed Control of Direct Current Motor analysis is Fig 7, whose operational transfer function is Eq (8). An examination of the various coefficients shows that the denominator can be represented quite adequately by a cubic with roots -2.1, -27.6, -26.2. It follows from these values that the transfer function of the system is given by Eq (9) which is plotted as a phase and log amplitude characteristic in Fig 8. The effective time constant of the control system is 0.5 sec, the overshoot is 20%. Also shown in Fig 8 are the characteristics of suitable correcting elements. These take the form of the 4-element (2R, 2C) correcting network in Fig 1 inserted after the pulse circuit. Fig 9 shows the transient conditions at the corrector. Fig 10 shows the final response with a time-constant of 0.25-0.30 sec and reduced overshoot. The thick line is 'measured', the thin line 'calculated'.

Card 3/4

SOV/144-59-8-6/14

Pulse System for Speed Control of Direct Current Motor
There are 10 figures and 4 Soviet references.

ASSOCIATION: Kafedra avtomatiki i telemekhaniki, Leningradskiy
elektrotekhnicheskiy institut
Card 4/4 (Chair of Automation and Telemechanics, Leningrad
Electro-technical Institute)

SUBMITTED: May 30, 1959

9,3230 (also 1031)

S/105/60/015/010/012/016/XX
B012/B077

AUTHORS: Voyshvillo, G. V., Member of the Society, Davydov, V. S.,
Member of the Society, Solov'yev, N. V., Member of the Society

TITLE: Passage of Impulse Signals Through a Low-quality Amplifier

PERIODICAL: Radiotekhnika, 1960, Vol. 15, No. 10, pp. 35-40

TEXT: This is an investigation of the passage of impulse signals consisting of steplike and linear increasing components through a low-quality resonance amplifier. The latter consists of equal rheostat or single-circuit cascades with 1 to 3 cascades. The investigation of the passage of impulse signals is limited to those which can easily be divided into components of the following types:

$$u_1(t) = \tau(t-t_0) \quad (2) \quad \text{and}$$

$$u_2(t) = a(t-t_0) \cdot \tau(t-t_0) \quad (3)$$

The present investigation is based on finding the transitional amplification factor

$$x(t) = [u_2(t)]_{u_1(t)=0} \quad (5)$$

UX

Card 1/6

98384

Passage of Impulse Signals Through a Low-quality Amplifier S/108/C0/015/010/012/016/XX
B012/B077

and the voltage at the amplifier output with a linearly increasing input voltage $u_2(t) = [u_2(t)]_{u_1(t)=at.1(t)} \quad (6)$.

In order to determine these two voltages, the operator-method based on the Laplace transformation is employed. Fig. 2 shows the equivalent-circuit diagram for the rheostat amplifier, for this case the equations for the parameters K_o , Q , and ω_o are written. Here, the functions (5) and (6) are of the form

$$v_2(p) = K_o/p \left[1 + Q(p/\omega_o + \omega_o/p) \right]^N \quad (8) \text{ or}$$

$$u_2(p) = aK_o/p^2 \left\{ 1 + Q(p/\omega_o + \omega_o/p) \right\}.$$

Figs. 3 to 8 show the curves of the functions for $N=1, 2, \text{ or } 3$. N represents the number of cascades. The output voltages of amplifiers with any resonance frequencies ω_o at different slopes of the input signal a can be determined from these curves. Using these curves it is also possible to find the output voltage produced under the influence of input signals formed by components (2) and (3). The results of this investigation make it possible to find the largest instantaneous values of the output

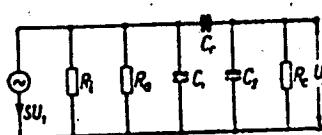
Card 2/6

X

Passage of Impulse Signals Through a Low-quality S/108/60/015/010/C12/016/XX
Amplifier B012/B077

voltage as a function of the quality Q and the resonance frequency ω_0 . The studies of V. G. Vol'pyan (Refs. 5,6) are mentioned. There are 12 figures, 2 tables, and 6 Soviet references.

SUBMITTED: November 30, 1959 (initially)
May 23, 1960 (after revision)



Pnc. 2

Card 3/6

06364

S/108/60/015/010/012/016/XX
3012/3077

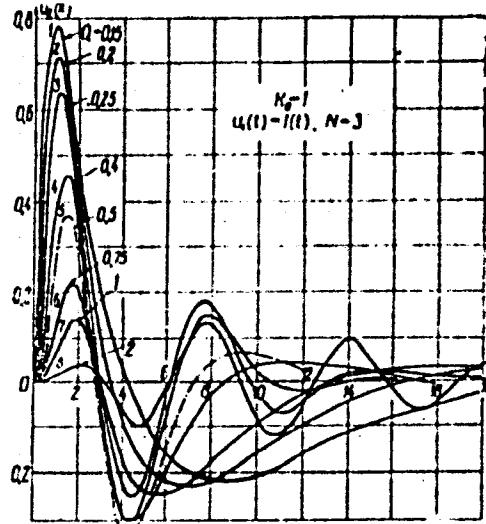


FIG. 5

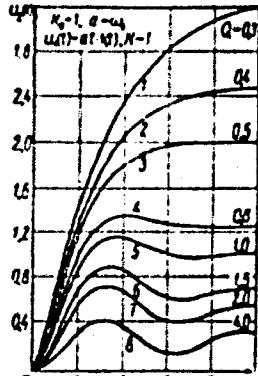
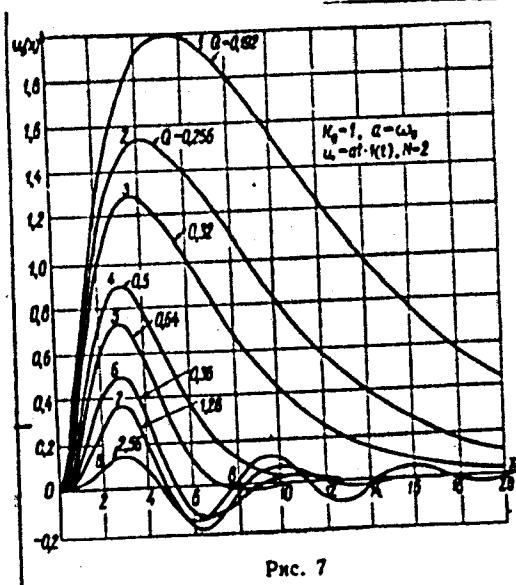


FIG. 6

Card 4/6

93384
S/108/60/015/010/012/016/XX
B012/3077



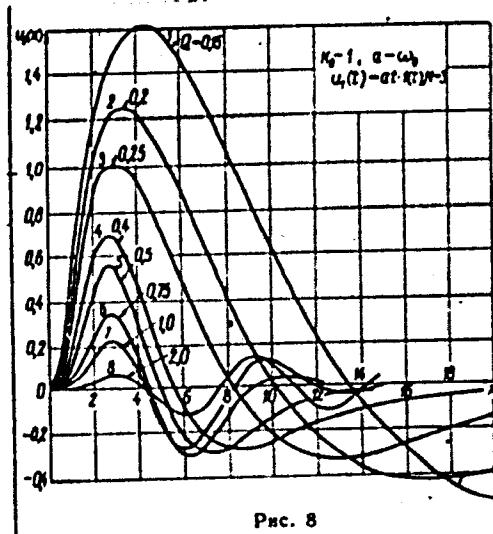
Card 5/6

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652320003-9

88384

s/108/60/015/010/012/016/xx
B012/B077



Card 6/6

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652320003-9"

6.9400

86883

S/08/60/015/012/005/009
B010/B059

AUTHORS: Veyshvillo, G. V., Member of the Society, Davydov, V. S.,
Member of the Society, Solov'yev, N. V., Member of the
Society

TITLE: Transmission of White and Frequency-dependent Background
by an Amplifier With a Low Q-Value

PERIODICAL: Radiotekhnika, 1960, Vol. 15, No. 12, pp. 21 - 24

TEXT: The mean square background voltage at the output of a one- to
three-stage selective amplifier as depending on the amplifier quality is
calculated considering white and $1/f$ background only. The frequency
response of an amplifier with N identical stages is described by (1)

$K = K_0 / \{ \sqrt{1 + [Q(f/f_0 - f_0/f)]^2}^N \}$, where K and K_0 denote the amplification
factors at the frequencies f and f_0 , respectively, and Q the quality of
each stage $d(U_r^2) = W(f)df$ with $W(f)$ denoting the spectral density of the
background efficiency, and U_r the background voltage. $W(f) = W_0$ for white

Card 1/2

86843

Transmission of White and Frequency-dependent S/108/60/015/012/005/009
Background by an Amplifier With a Low Q-Value B010/B059

background, and therefore $\bar{U}_{r2}^2 = \int_0^\infty W_0 K^2 df$, where K has to be substituted from (1). The results of integration are compiled in Table 1. The first column gives the number of amplifier stages, the second the mean square output voltage of white background, \bar{U}_{r2}^2 . For $1/f$ -background, $W(f) = W_1 f_1/f$, where W_1 is the background density at f_1 , and therefore $\bar{U}_{r2}^2 = \int_0^\infty \frac{1}{f} W_1 K^2 df$, where K is to be substituted from (1). The results of this integration are shown in Table 2; the number of amplifier stages is given in the first column, the Q-values in the second, and the mean square output voltage of the frequency dependent background, \bar{U}_{r2}^2 , in the third. Graphs illustrate the relation between \bar{U}_{r2}^2 and Q e.g., Fig. 2 for $N = 2$ (upper curve for white, lower curve for $1/f$ -background). Finally, the authors point out the possibility of determining the ratio between instantaneous

Card 2/2

86883

Transmission of White and Frequency-dependent S/108/60/015/012/005/009
 Background by an Amplifier With a Low Q-Value B010/B059

signal amplitude and mean square background by means of the formulas given. There are 4 figures, 2 tables, and 3 Soviet references.

SUBMITTED: November 30, 1959 (initially), May 23, 1960 (after revision)

(Table 1) Таблица 1

Число каскадов усилителя N	Средний квадрат выходного напряжения белого шума $\bar{U}_{\text{ш}}^2$
1	$\frac{\pi f_0}{2Q} W_0 K_0^2$
2	$\frac{\pi f_0}{4Q} W_0 K_0^2$
3	$\frac{3\pi f_0}{16Q} W_0 K_0^2$

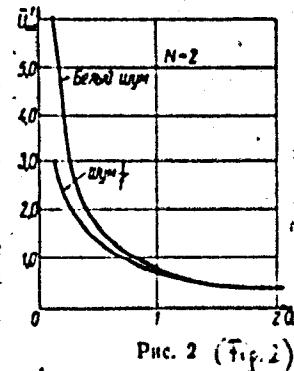


Рис. 2 (Fig. 2)

Card 3/5

86883

S/108/60/015/012/005/009
B010/B059

(Table 2) Таблица 2

Число киска-дов уси-лите-ля N	Значение добротности Q	Средний квадрат выходного напряжения частотно-зависимого шума $U_{\text{ш}}^2$
1	$Q < 0,5$	$\frac{W_1 f_1 K_0^2}{\sqrt{1-4Q^2}} \operatorname{ar th} \frac{\sqrt{1-4Q^2}}{1-2Q^2}$
1	$Q > 0,5$	$\frac{W_1 f_1 K_0^2}{\sqrt{4Q^2-1}} \operatorname{arc ctg} \frac{1-2Q^2}{\sqrt{4Q^2-1}}$
2	$Q < 0,5$	$\frac{W_1 f_1 K_0^2}{1-4Q^2} \left(\frac{1-2Q^2}{1-4Q^2} \operatorname{ar th} \frac{\sqrt{1-4Q^2}}{1-2Q^2} - 1 \right)$

Card 4/5

86883

S/108/60/015/012/005/009
B010/B059

2	$Q > 0.5$	$\frac{W_1 I_1 K_0^2}{4Q-1} \left(1 - \frac{1-2Q^4}{\sqrt{4Q^4-1}} \operatorname{arcctg} \frac{1-2Q^4}{\sqrt{4Q^4-1}} \right)$
3	$Q < 0.5$	$\frac{W_1 I_1 K_0^2}{2(1-4Q^4)^2} \left[3(2Q^4-1) + \frac{2(6Q^4-4Q^8+1)}{\sqrt{1-4Q^4}} \operatorname{arth} \frac{\sqrt{1-4Q^4}}{1-2Q^4} \right]$
3	$Q > 0.5$	$\frac{W_1 I_1 K_0^2}{2(4Q^4-1)^2} \left[3(2Q^4-1) + \frac{2(6Q^4-4Q^8+1)}{\sqrt{4Q^4-1}} \operatorname{arcctg} \frac{1-2Q^4}{\sqrt{4Q^4-1}} \right]$

Card 5/5

ARBUZOV, S.V., kand. tekhn. nauk; SOLOV'YEV, N.V., inzh.

Contact method for leather moistening. Kosh.-obuv. prom. no.11:24-26
N '59. (MIRA 13:3)

(Leather)

83690

//.1210
//.7100S/076/60/034/008/001/014
B015/B054AUTHORS: Solov'yev, N. V. and Baratov, A. N. (Moscow)TITLE: Dependence of the Lower Concentration Limits of the
Ignition of Gas - Air Mixtures on the Molecular Structure
of the Combustible ComponentPERIODICAL: Zhurnal fizicheskoy khimii, 1960, Vol. 34, No. 8,
pp. 1661-1670

TEXT: On the basis of the thermodynamic theory by N. N. Semenov (Ref. 5), the authors show by the example of alkanes (Table 1) that there is a quantitative relationship between the lower concentration limits of ignition and the content of carbon atoms in the molecule of the fuel. The theoretical results were experimentally confirmed by means of an apparatus (with an IVB-50 (IV-50) inductor) for determining the ignition point (Fig. 1) of normal alkanes, normal and isoalcohols, as well as their formates and acetates (Table 2). An analysis of the curves obtained shows (Fig. 3) that the lower concentration limit decreases

4

Card 1/2

83690

Dependence of the Lower Concentration Limits
of the Ignition of Gas - Air Mixtures on the
Molecular Structure of the Combustible
Component

S/076/60/034/008/001/0:4
B015/B054

monotonically (according to a hyperbolic law) with an increase in the number of carbon atoms in the fuel molecule (Table 3, corresponding coefficients). By use of M. Kh. Karapet'yants's comparative method of calculating a property of various substances (Refs. 17 and 18), it is shown that the above-mentioned relationship holds for all homologous series investigated (Table 4). By use of the last-mentioned method, the data given may serve for calculating the ignition points of many substances. The values, partly obtained for the first time, for the ignition points of hydrocarbons and their oxy-derivatives show that the ignition range of substances of ramified structure is smaller than that of similar substances of normal structure. This does, however, not imply that the inflammability of organic liquids decreases with structural ramification. The authors mention a paper by B. F. Vymorokov (Ref. 2). There are 6 figures, 4 tables, and 18 references: 7 Soviet, 8 US, 2 British, and 1 French.

SUBMITTED: August 30, 1956

Card 2/2

Solov'yev N.V.

10
S/169/63/000/003/006/042
D263/D307

AUTHORS:

Aleksyev, P.P., Besyadovskiy, Ye.A., Biryukova, L.A.,
Golyshov, G.I., Ivanovskiy, A.I., Izmailov, M.M.,
Kokin, G.A., Kirillova, Yu.Y., Livchits, N.S., Matrov,
..., Rozhdestvenskiy, B.G., Solov'yev, N.V., Speran-
skiy, K.Ye., Khvatikov, I.A., Shvidkovskiy, Ya.G.
and Shcherba, I.A.

TITLE:

Study of the upper layers of the atmosphere with the
aid of meteorological rockets

PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 3, 1963, 28,
abstract 3-1166 (Tr. Vses. nauchn. Meteorol. sovesh-
chaniya. T.I.L., Gidrometeoizdat, 1962, 91-103)

TEXT:

In the present review-type article the authors give
the results of studies carried out at Tsentral'naya aerologicheskaya
observatoriya (Central Aerological Observatory) on atmospheric sound-
ing with meteorological rockets. Measuring methods are described and
the main points are given for obtaining such atmospheric character-

Card 1/2

S/169/63/000/003/006/042
D263/D307

Study of the upper layers ...

istics as pressure, temperature, and wind. Certain results are given: data of seasonal temperature variations at heights up to 50 km in the middle latitudes of the USSR and in polar regions, cases of sudden warming up, characterization of temperature distribution curves, a table characterizing the temperature inversion below the stratopause under the conditions of polar night, and data regarding the circulation in the upper atmospheric layers. Information is given on the constructed meridional sections of temperature fields and on the zonal component of the gradient wind. (23 references).

[Abstracter's note: Complete translation]

Card 2/2

KOUBA, Vatalav [Kouba, Vaclav], doktor veterin. meditsiny;
SOLOV'YEV, N.V.

In the people's democracies. Veterinariia 40 no.10:73-76
0'63. (MIRA 17:5)

1. Veterinarnyy otdel Ministerstva sel'skogo, lesnogo i
vodnogo khozyaystva Chekhoslovatskoy Sotsialisticheskoy
Respubliki (for Kouba).

SOLOV'YEV, N.V., referent

Veterinary service in the United Arab Republic. Veterinariia
41 no.10:109 O '64. (MIRA 18:11)

KARABSHIN, A.V.; SOLOV'YEV, N.Ya.; YAKOVLEV, F.I.; ROMANOVSKIY, V.V.

Improvement of devices and equipment used in studying sediments
of reservoirs. Trudy GGI no.111:122-130 '64. (MIRA 17:6)

BOLOV'YEV, N.Ya.

Theory of an apparatus for reducing the movement of coarse
sediment. Trudy GOI no.124:111-124 '65. (MIRA 18;9)

PODOBEDOV, V.V., inzh.; DUBROV, S.Ya., inzh.; SOLOV'YEV, N.Ye., inzh.;
YEDAKOV, V.M., inzh.; KNYAZHANSKAYA, Ye.I., inzh.

Use of the twindrift mining system. Ugol'.prom. no.1:29-34
(MIRA 15:8)
Ja-F '62.

1. Normativno-issledovatel'skaya stantsiya Chistyakovskogo tresta
predpriyatiy ugol'noy promyshlennosti Donbassa Ministerstva
ugol'noy promyshlennosti SSSR.
(Coal mines and mining)

SOLOV'YEV, O.A.

Method for interpreting magnetic anomalies based on the vertical
and horizontal Za gradients. Trudy Inst.geol. i geofiz. Sib.otd.
AN SSSR no.1:15-19 '60. (MIRA 15:2)
(Magnetic prospecting)

S/169/61/000/006, 015/039
A005/A130

AUTHOR: Lov'yey, O.A.

TITLE: A method of determining the ratio I/σ of oblique by magnetised bodies of arbitrary shape from the values of Z_g and V_g .

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 6, 1961, 30, abstract 6A271. (Tr. In-ta geol. i geofiz.. Sib. otd. AN SSSR, 1960, no. 1, 21-24)

TEXT: The author examines the possibility of determining the ratio of magnetisation intensity to excess density I/σ from gravitational and magnetic surveying data. To derive the required relation, the author proceeds from the Green theorem for a harmonic function and after simple cumbersome transformations obtains the formula

$$\frac{I}{\sigma^2} = k^2 \frac{\int_{-\infty}^{+\infty} z^2 q \cdot dx}{\int_{-\infty}^{+\infty} v_{zx}^2 \cdot dx}$$

Card 1/2

A method of determining the ratio I/σ ...

S/169/61/COO/Dec, 1957
A005/A130

(k is the gravitation constant). The formula is correct for two-dimensional anomalies in the case of an arbitrary direction of magnetization.

B. Bryusov

[Abstractor's note: Complete translation.]

Card 2/2

SOLOV'YEV, O.A.

Determination of the magnetization angle of bodies of any shape
based on magnetic and gravity measurements. Geol. i geofiz. no.8:
(MIRA 14:2)
119-121 '60.

1. Institut geologii i geofiziki Sibirskego otdeleniya AN SSSR.
(Magnetic prospecting)

SOLOV'YOV, O.A.

Dividing magnetic anomalies into enclosing and oreless.
Geol. i. sov. no. 6:52-69 '40. (NII. 14:2)

1. Institut geologii i geofiziki Sibirs'kogo otdeleniya V.
GGKh, Novosibirsk.
(Magnetic anomalies)

SOLOV'YEV, O.A.

Determination of the size and nature of ore deposits on the basis
of magnetic data. Sol. i. 10:1/2 '60. (MIA 14:2)
(Ore deposits) (Magnetic prospecting)

SOLOV'YEV, O.A.

Some problems relative to the transformation of curves of observed
values of magnetic potential derivatives. Geol. i geofiz. no. 1:112-
113 '61. (MIRA 14:5)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,
Novosibirsk.
(Magnetic anomalies)

SOLOV'YEV, O.A.

Using the Fourier two-dimensional integral transformation for
interpreting magnetic anomalies. Geol.i geofiz. no.5:92-93 '61.
(MIRA 14:6)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,
Novosibirsk.
(Magnetic prospecting)

SOLOV'YEV, O.A.

Determining the magnetic properties of rocks with the IAnovskii
astatic magnometer. Geol. i geofiz. no.6:103-105 '61.
(MIRA 14:7)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN
SSSR, Novosibirsk.
(Rocks--Magnetic properties)

SOLOV'YEV, O.A.

Use of the frequency method for the determination of some parameters
of magnetized bodies. Geol.i geofiz. no.2:122-125 '62.
(MIRA 15:4)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,
Novosibirsk.
(Frequency measurements) (Magnetic prospecting)

SOLOV'YEV, O.A.

Interpretation of magnetic anomalies A_{Ta} by the frequency method.
(MIRA 16:3)
Geol. i geofiz. no.11:126-129 '62.

1. Institut geologii i geofiziki Sibirsogo otdeleniya AN SSSR,
Novosibirsk.
(Magnetic anomalies) (Frequency measurements)

SERBULENKO, M.G.; SOLOV'YEV, O.A.

Localization of the characteristics of potential fields from
observed anomalies and the accuracy of analytic continuations in
the lower discontinuity. Geol.i geofiz. no.7:112-116 '63.
(MIRA 16:10)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,
Novosibirsk.

ACCESSION NR: AT4044075

S/2994/63/000/021/0089/0101

AUTHOR: Solov'yev, O. A.; Romanov, V. G.

TITLE: Some questions on the partial analysis of magnetic and gravitational anomalies by means of electronic computers

SOURCE: AN SSSR. Sibirskoye otdeleniye. Institut geologii i geofiziki. Trudy*, no. 21, 1963, Geofizicheskiy sbornik, no. 4; Primeneniye elektronnykh tsifrovych mashin pri reshenii nekotorykh zadach geofiziki (Geophysical papers, no. 4: Using electronic computers in solving some geophysical problems), 89-101

TOPIC TAGS: geophysics, computer programming, magnetic field, magnetic anomaly, gravity, geophysical prospecting, Fourier transform

ABSTRACT: The usual graphic and analytic methods for interpreting geophysical anomalies make use of only a small part of the useful information included in an anomaly. These methods need to be extended so as to provide more general solutions of the inverse problem of geophysical prospecting, such as the frequency method based on the Fourier integral transform which is considered in this paper. This is closely related to potential theory and the Laplace equation, when there are no perturbing objects. From this, a solution is obtained in the form of an integral Fourier transform in the complex plane. Complex logarithmic gravitational and

Card 1/2

ACCESSION NR: AT4044075

magnetic potentials are given, from which spectral functions are derived which are meromorphic, of second order, have poles at the locations of the perturbing objects, and no singularities in the finite part of the complex plane. The most important areas for the application of spectral functions are: a) expansion in Taylor's series, to obtain magnetic and gravitational moments; b) location of zeroes on the axis to obtain the horizontal dimensions of the perturbing object; c) finding the depth to top of perturbation from the behavior at infinity. Spectral functions are then determined for sloping lines and for known values of a segment of an observed function. When the nodes are uniformly spaced, the formula finally obtained is greatly simplified and a computer can be programmed to tabulate the spectral function of a given function. Orig. art. has: 77 equations.

ASSOCIATION: Institut geologich i geofiziki, Sibirskoye otdeleniye, Akademiya Nauk SSSR (Institute of Geology and Geophysics, Siberian Division, SSSR Academy of Sciences)

SUBMITTED: 00

ENCL: 00

SUB CODE: ES, DP

NO REF SOV: 005

OTHER: 002

Cord 2/2

ACCESSION NR: A4044916

S/0226/64/000/004/0097/0100

AUTHOR: Bondarev, D. Ye.; Solov'yev, O. A.

TITLE: Low induction ferrites for computer memories

SOURCE: Poroshkovaya metallurgiya, no. 4, 1964, 97-100

TOPIC TAGS: ferrite, low induction ferrite, computer, memory, computer memory,
scandium ferrite, HS ferrite

ABSTRACT: The trend in computer memories containing ferrite cores with rectangular hysteresis characteristics is toward miniaturization of both the cores and the matrix device required for accelerating the response of the memory. The size and magnetic induction of the ferrite core have a significant effect on the characteristics of the memory. The analysis in the present paper is based on the ferromagnetic theory of L. Neel, which explains the essence of the magnetic interaction of ferrites having a spinel structure. However, this theory does not indicate the magnetic-chemical methods for affecting the resultant magnetic moment between the octahedral and tetrahedral lattices of the spinel structure. In the present work, oxides were introduced into the ferrites to improve their properties, the magnetic moment of a Mn-Mg ferrite being decreased by the addition of non-magnetic activating ions, namely scandium oxide. The Sc^{3+} ions lowered the magnetic moment of the

Card 1/2

ACCESSION NR: AP4044916

octahedral component, thus decreasing the magnetic induction of the core. In this way, new ferrites have been created, designated by the letters HS, with low residual induction (about 800 gs). These ferrites can be used successfully in quick-response memories with large storage capacities. Orig. art. has: 4 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 10May63

ENCL: 00

SUB CODE: DP, MM

NO REF Sov: 004

OTHER: 008

Card 2/2

SOLOV'YEV, G.A.

Determining the angle of magnetization for two-dimensional
bodies. Izv. AN SSSR. Fiz. zem. no.2:80-81 '65.
(MIRA 18:6)
1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR.

SOLOV'YEV, O.A.; MIKOV, B.D.

Root-mean-square approximation of a potential field. Geol. i
geofiz. no.6:114-116 '63. (MIRA 19:1)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,
Novosibirsk. Submitted October 27, 1962.

BORODAYEVA, N.M.; SOLOV'YEV, O.A.

Interpretation of magnetic anomalies during artificial
magnetization. Geol. i geofiz. no.6:153-156 '64.

(MIRA 18:11)

l. Institut geologii i geofiziki Sibirskego otdeleniya
AN SSSR, Novosibirsk.

SOLOV'YEV, O.P. (Simferopol')

Treatment of atherosclerosis depending on some endogenous
factors. Vrach. delo no.2:43-46 F'64 (MIRA 17:4)

1. Kafedra propedevtiki vnutrennikh bolezney (zav. - prof.
A.B. Shakhmazarov) Krymskogo meditsinskogo instituta.

SOLOV'YEV, O. I.; CHERNOV, V. N.; BERMAN, V. M.; PAVLOV, A. T.

"Problems of microbiology and immuniology of modern dysentery
in young children in connection with the status of clinic."

Report submitted at the 13th All-Union Congress of Hygienists,
Epidemiologists and Infectionists. 1959

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652320003-9

SOLOVIEV, N. I., "Geophysical Investigations of the Crustal Structure in the Zone of Transition between the Asiatic Continent and the Pacific Ocean,"

"Complex Geologica and N. I. Soloviev on Complex Geological
Geophysical Investigations of the Crustal Structure in the
Zone of Transition between the Asiatic Continent and the
Pacific Ocean."

Paper Presented at KAGI Meeting, 3rd Jul - 9 Aug 58, Moscow
Available in Library

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652320003-9"

Solov'yev, O.N.

PAGE 1 Side INFORMATION

INFO 1000
SERIAL 7440

Akademy Nauk SSSR. Laboratoriya aerogeofiziki
Survey, tom 61. Materialy VII Vsesoyuznogo nauchno-tekhnicheskogo obozreniya
po geofizike i radiofizike - 1 dokladnye i 1 dokladnye (Materialy na
VII SSSR. Internatsional'noi Konferentsii po Aerial'nyi Survey, 1956. 30 p.
Sverdlovsk, 1956) Moscow, Geopromgizdat, 1959. 300 p.
5,000 copies printed.

Ed. of Published Works: V. G. Pleshkov, Prof. M. G. A. Gurvits,
Material Commission: N. G. Kali, Corresponding Member, Academy of
Nauk SSSR; A. A. Logunov, V. P. Mikrometeorika (Eng. Ed.),
and R. R. Smirnov.

PURPOSE: This publication is intended for hydrogeological, geological,
geomagnetic, and other scientific and technical personnel concerned
with aerial photography.

CONTENTS: This issue of the Transactions of the Laboratory of Aerial
Survey Methods contains the second part of materials presented at
the VII All-Union International Conference on Aerial Survey, the
which took place in Leningrad, November 25 through December 1, 1956.
Aerial survey problems dealing with their essence and application
of aerial survey methods in geological, geomagnetic, and geo-
physical investigation. Special attention is directed to aerial
survey methods in geological and geomagnetic mapping and geo-
physical work under different conditions. The techniques of joint
aeromagnetic prospecting and aerial photography are described.
Reference concerning individual articles.

Table of Contents:

Strelkov, A. I. [All-Union Scientific Research Institute of Geophysical
Prospecting Methods]. Results of Applied Large Scale Aerogeophysical
Investigation Using Magnetic and Magnetometric Method of Prospecting 120

Dobry, V. P. [Institute of Geodesy, Hydrography and Aerogeodesy, Institute
of Geodetic Research, Institute of Petroleum and Natural Gas of the
USSR]. Map of Magnetic Anomalies and Methods of Estimating
Aeromagnetic Survey Data by Absolute [Estimated] Values of the
Magnetic Field Intensity 267

Dobry, V. N. [All-Union Scientific Research Institute of Geophysical and
Prospecting Methods]. Methods and Results of Magnetic Survey
of the Southern Part of the Northern Caucasus Platform [for the Study
of Local Magnetic Anomalies] Using Magnetic Correlation Methods
[Detailed Description] 277

Malin, F. A. [Free Electromagnetic - Aerogeophysical Trust for Oil Prospecting
by Geophysical Methods]. Aerogeophysical Surveys of Shores and Their
Utilization for Geological Purposes 272

Polyakov, V. N. [Kazanobayevskiy Trust - Kazanobayev
Prospecting Trust]. Preliminary Results of Integrated Aerogeophysical Exploration
in Certain Regions of Kazakhstan 277

Slobodchikov, G. M. [All-Union Scientific Research Institute of Geophysical
Prospecting Methods]. Results from the Aerogeologic
Survey of Caspian Shores 283

Vorob'ev, Yu. G. [Leningrad Geophysical Prospecting
Prospecting Trust]. Preliminary Results of the Aerogeophysical Survey
in the Southern Part of the Kama River Valley in Connection With the
Implementation of Oil-Sampling Structures 289

Slobodchikov, G. M. [All-Union Scientific Research Institute of Geophysical
Prospecting Methods]. Application of Aerial Survey Methods and
Equipment to Geophysical Oil Prospecting 293

Polyakov, V. N., G. M. Dobry, and A. A. Gurvits [Laboratory of Aerial
Survey Methods, Academy of Sciences, USSR]. An Integrated [Combined]
Use of Aerial Photography and Aerogeophysical Prospecting in Seismology
Exploration 298

AVAILABILITY: Library of Congress

Cards 10/10

AC/1000/
P/1000

SOLOV'YEV, O.N.

Airborne magnetic surveying in the region of the Kurile-Kamchatka island chain. Prikl. geofiz. no.29:168-173 '61.
(MIRA 14:6)
(Kurile Islands--Magnetic anomalies) (Kamchatka--Magnetic anomalies)

S/215/63/000/003/001/002

AUTHOR: Solov'yev, O. N. and Gaynanov, A. G.

TITLE: Features of the deep-seated geological structures of the transitional zone from the asiatic continent to the pacific ocean in the region of the kurile-kamchatka island arc

PERIODICAL: Sovetskaya geologiya, no. 3, March 1963, pages 113-123

TEXT: The article deals with a complex and intensive geological and geophysical study of the Kurile-Kamchatka region in connection with International Geophysical Year. Observations were made by seismic, gravimetric and magnetometric methods. Participating agencies were Institut fiziki zemli Akademii nauk USSR (Institute of Physics of the Earth, AS, USSR), Vsesoyuzny nauchno-issledovatel'skiy institut razvedochnoi geofiziki (All-Union Scientific Research Institute of Exploratory Geophysics), Gosudarstvennyi astronomicheskiy institut imeni P. K. Shternberga (State Astronomic Institute im. P. K. Sternberg), Geologicheskii fakul'tet MGU (Geological Faculty of Moscow State University) and others. Overall direction was by Institute of Physics of the Earth.

A considerable bibliography (21 articles) mainly by researchers of named

Card 1 of 3

S/215/63/000/003/001/002

Features of the deep-seated....

organizations is included. One U.S. source is cited since results in similar structural areas are compared; Mason, R. B. and Raff, A. D. "Magnetic Survey of the West Coast of N. America", Bull. Geol. Soc. of Amer., v. '72, No. 8, 1961.

Purpose of the study is clarification of characteristics of the earth's crust in the region. By seismic methods, three types of earth crust were determined to exist in the region: 1. Three layered continental type, consisting of sedimentary, granitic and basaltic layers, averaging 20-30 km; near Sakhalin, Kamchatka, Northern Kuriles and also between southern islands of the arc and the deep water basins. This continental type, characterized chiefly by its granitic layer, is typical of the northern and central parts of the Sea of Okhotsk. 2. Oceanic type crust, consisting of a thin sedimentary layer (up to 1 km) and basalt (5-12 km), and having an average thickness of 10-17 km, including 5 km of water. This is observed beyond the Kurile-Kamchatka deep water trough, in the region of the ocean plateau. 3. The intermediate zone, differing from the continental by the absence of a granitic layer, and from the oceanic by its significantly thicker sedimentary layer. Comparing these findings with those obtained by use of magnetometer surveys, discrepancies were found to exist. Several theories are postulated as to reasons for this, and it is concluded that further research, based on seismic, gravimetric and magnetometric methods, is

Card 2 of 3

Features of the deep-seated....

S/215/63/000/003/001/002

necessary before a unified hypothesis can be developed.

Further surveys, as well as more intensive study of available data are recommended in order to clarify the deep structures of the complicated transitional zone.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut razvedochnoy geofiziki
(All-Union Scientific Research Institute of Exploratory Geophysics)
and Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova
(Moscow State University im. M. V. Lomonosov)

Card 3 of 3

GAYNANOV, A.G.; SOLOV'YEV, O.N.

Nature of magnetic anomalies in the area of transition from the
Asiatic continent to the Pacific Ocean. Dokl. AN SSSR 151 no.6:
1399-1401 Ag '63. (MIRA 16:10)

1. Fredstavleno akademikom D.I.Shcherbakovym.

UR/3195/65 PT(1)/FOC/ELA(h) EM
ACC NR: AT6010298

SOURCE CODE: UR/3195/65/000/006/0060/0065

AUTHOR: Gaynanov, A. G.; Tulina, Yu. V.; Kosinskaya, I. P.; Zverev, S. M.;
Veytsman, P. S.; Solov'yev, O. N.

ORG: none

TITLE: Comprehensive interpretation of data from geophysical observations in the
Sea of Okhotsk and the Kurile-Kamchatka zone of the Pacific Ocean

SOURCE: AN SSSR. Mezhdunarodnyy geofizicheskiy komitet. Seismicheskiye
issledovaniya, no. 6, 1965, 60-65

TOPIC TAGS: seismology, gravimetry, geomagnetism, deep seismic sounding, geophysical
anomaly, transition zone

ABSTRACT: Data on the earth's crust acquired during the IGY from geological and
geophysical studies (by magnetic, gravimetric and seismic methods) in the transi-
tional zone between Asia and the Pacific Ocean were used to investigate two problems:
1) qualitative comparison of special features of anomalous gravitational and magnetic
fields with structures of the earth's crust determined by seismic data (deep seismic
sounding); and 2) some results from a quantitative comparison of gravitational and
magnetic anomalies with deep seismic-sounding data. A map of magnetic anomalies
shows moderate isometric anomalies in the Sea of Okhotsk and pronounced anomalies
in narrow belts in the Sea of Okhotsk, along the Kurile-Kamchatka ridge and adjacent

Card 1/2

ACC NR: AT6010298

parts of the Pacific, and near the Komandorskiye Islands. The sources of magnetic anomalies in the North Okhotsk and Sakhalin depressions seem to be confined to the uppermost or lowermost portions of the "granitic" layer and the upper part of the "basaltic" layer. In areas in the Pacific off the Kurile Islands, the anomalies are in the uppermost part of the mantle, and east of the deep offshore trench, they are in the upper mantle and the "basaltic" layer. It can be assumed that these magnetic anomalies are caused by processes associated with the formation of discontinuities and lava intrusions from the upper mantle onto the ocean floor. Comparisons of the anomalous gravitational field with deep seismic-sounding data showed that the principal features of the field coincide with the structures in the crust indicated by the sounding data thus making it possible to identify regions of anomalous density.
Orig. art. has: 4 figures.

[EO]

SUB CODE: 08/ SUBM DATE: none/ ATD PRESS: 4221

Card 2/2

ZHUKOVICH-STOSHA, Ye.A., inzhener; SOLOV'YEV, O.P., inzhener.

Flying shears for continuous billet mills. Vest. mash. 36 no.9:
11-17 S '56. (MLRA 9:10)

(Shears (Machine tools))

JOV/153-59-4-14/32

AUTHORS: Zhukovich-Stosha, Ye.A. and Solov'yev, O.P., Engineers

TITLE: A Continuous Billet Mill 850/700/500 mm (Nepreryvnyy zagotovochnyy stan 850/700/500)

PERIODICAL: Stal', 1959, Nr 4, pp 336-341 (USSR)

ABSTRACT: A description of the first continuous billet mill 850/700/500 mm designed and built in the USSR which was put into operation at the beginning of 1958 is given. The mill was planned for rolling blooms 300 x 300 mm weighing 7.2 tons into square billets from 60 x 60 to 150 x 150 mm and blooms 250 x 300 mm into flat billets 75 x 285 mm. The distribution of rolling equipment is shown in Fig 1. Of special features of the mill equipment the following are mentioned: vertical stands with upper drive (Fig 2); high speed flying shears for cutting billets of a cross-section of up to 100 x 100 mm at a velocity of 5.2 m/sec (Fig 5) and a billet manipulator

Card 1/2

DOV/133-59-4-14/32

A Continuous Billet Mill 850/700/500 mm

between the 850 mm stands (Fig 4). There are
5 figures.

ASSOCIATION: TskBM - TsNIIrMASH

Card 2/2

Z.B.I.VICH-STOSHA, Ye.A., inzh.; SOLOV'YOV, O.P., inzh.

Trends in the design of continuous billet mills. Stal' 20 no.6:530-
534 Je '60. (MIA 14:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metalloobrabotki
i mashinostroyeniya.
(Rolling mills)

DOLGOV YE V. O. H.

37

PHASE I BOOK EXPLOITATION SOV/5985

Rokotyan, Ye. S., Doctor of Technical Sciences, ed.

Prokatnoye proizvodstvo; spravochnik (Rolling Industry; Handbook) v. 1. Moscow,
Metallurgizdat, 1962. 743 p. Errata slip inserted. 9250 copies printed.

Authors of this volume: B. S. Azarenko, Candidate of Technical Sciences; V. D.
Afanas'yev, Candidate of Technical Sciences; M. Ya. Brovman, Engineer; M. P.
Vavilov, Engineer; A. B. Vernik, Engineer; K. A. Golubkov, Engineer; S. I.
Gubkin, Academician, Academy of Sciences USSR; A. Ye. Gurevich, Engineer; V. I.
Davydov, Candidate of Technical Sciences; V. G. Drozd, Engineer; N. F.
Yermolayev, Engineer; Ye. A. Zhukovich-Stocha, Engineer; N. M. Kirilin, Candidate
of Technical Sciences; M. V. Kovynov, Engineer; A. M. Kogos, Engineer; A. A.
Korolev, Professor; M. Ye. Kugayenko, Engineer; A. V. Laskin, Engineer; B. A.
Levitanskiy, Engineer; V. M. Lugovskoy, Engineer; I. M. Meyerovich, Candidate of
Technical Sciences; M. S. Ovcharov, Engineer; V. I. Pasternak, Engineer; I. L.
Perlin, Doctor of Technical Sciences; I. S. Pobedin, Candidate of Technical
Sciences; Ye. S. Rokotyan, Doctor of Technical Sciences; M. M. Saf'yan, Candi-
date of Technical Sciences; V. V. Smirnov, Candidate of Technical Sciences;
V. S. Smirnov, Corresponding Member, Academy of Sciences USSR; O. P. Sokolovskiy,

Card 1/9

32

Rolling Industry; Handbook

SOV/5785

Engineer; O. P. Solov'yev, Engineer; M. A. Sidorkovich, Engineer; Ye. M. Trst'yakov, Engineer; I. S. Trishovskiy, Candidate of Technical Sciences; G. N. Khenkin, Engineer; and A. I. Tsolikov, Corresponding Member, Academy of Sciences USSR. Introduction: A. I. Tsolikov, Corresponding Member, Academy of Sciences USSR; Ye. S. Rokotyan, Doctor of Technical Sciences; and L. S. Al'shevskiy, Candidate of Technical Sciences.

Eds. of Publishing House: V. M. Korobinchenko, R. M. Golubchik, and V. A. Rymov;
Tech. Ed.: L. V. Dobushinskaya.

PURPOSE: This handbook is intended for technical personnel of metallurgical and machine-building plants, scientific research institutes, and planning and design organizations. It may also be useful to students at schools of higher education.

COVERAGE: The fundamentals of plastic deformation of metals are discussed along with the theory of rolling and drawing. Methods of determining the power consumption and the forces in rolling with plane surface or grooved rolls are.

Card 2/10

Rolling Industry; Handbook

SOV/5985

5. Centralized manual and automatic systems with periodical action and their equipment	355
6. Parts of the lubrication system pipelines	363
7. Cooling and lubrication systems for rolled metal	364

PART III. EQUIPMENT OF SPECIFIC TYPES OF ROLLING MILLS

Ch. 16. Blooming and Slabbing Mills (<u>Ye. A. Zhukovich-Stosha, O. P. Solov'yev</u>)	370
1. General information	
2. The "1000" reversible two-high blooming mill of VNIIMETMASH-NKMZ design	371
3. The "1150" slabbing mill	373
4. The "800" three-high blooming mill	377
Ch. 17. The "1150" Blooming Mill of UZTM design (O. P. Sokolovskiy) [Abridged]	[379]
Ch. 18. Billet Mills (<u>Ye. A. Zhukovich-Stosha, O. P. Solov'yev</u>)	396

Card 12/19

ROKOTYAN, Ye.S., doktor tekhn.nauk, prof.; ZHUKOVICH-STOSHA, Ye.A.;
~~SOLOV'YEVA, O.P.~~; LYAMIN, G.N.; SAPOZHNIKOV, A.Ya.; LIPUKHIN,
V.A.; KOGAN, A.M.; ISTOMIN, A.V., retsenzent; KARPMAN, M.A.,
nauchn. red.; PODCHUFAROVA, S.I., red.; KOGAN, F.L., tekhn.
red.

[Modern rolling mills abroad] Sovremennye prokatnye stany
za rubezhom. Moskva, 1962. 419 p. (MIRA 16:8)

1. Moscow. TSentral'nyy institut nauchno-tekhnicheskoy in-
formatsii mashinostroyeniya.
(Rolling mills)

L 8055-66 EWT(d)/EWT(m)/EWP(v)/EWP(t)/EWP(k)/EWP(h)/EWP(b)/EWP(l)/EWA(h)/EWA(c) JD/HW
ACC NR: AP5026482 SOURCE CODE: UR/0286/65/000/019/0009/0009

INVENTOR: Zhukovich-Stosha, Ye. A.; Solov'yev, O. P.; Ritman, R. I.; Shaver, A. B.;
Azimov, S. K.; Brovman, M. Ya.; Iskel', L. G.; Kurbatov, I. V.

ORG: none

TITLE: Planetary rolling mill. Class 7, No. 175025

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 19, 1965, 9

TOPIC TAGS: tube, tube rolling, rolling mill, metal rolling

ABSTRACT: This Author Certificate introduces a planetary rolling mill (based on Author Certificate No. 124398). For rolling tubes with variable cross section, the mill is equipped with a gear which meshes with the gears of the planetary rolls. The gear is turned by an auxiliary drive and a device which moves the mandrel during rolling, both of which are controlled by a copying attachment. Orig. art. has: 1 figure. [AZ]

SUB CODE: /3/ SUBM DATE: 29Jan64/ ATD PRESS: 4152

Card 1/1

UDC: 621.771.064

SOLOV'YEV, O.V. [Solevior, O.V.], doktor med.nauk, prof.(Leningrad)

Where Pavlov used to work. Nauka i zhyttia 10 no.6:
35-36 Je '60. (MIRA 13:7)

1. Zamostitel' direktora po nauchnoy chasti Instituta fiziologii
imeni I.P.Pavlova AN SSSR.
(PAVLOVO (LENINGRAD PROVINCE) PHYSIOLOGICAL LABORATORIES)

SOLOV'YEV, P.

Work practice of the "Krasnyi Oktiabr'" Factory on a single
assignment. Biul. nauch. inform.: trud i zar. plata 5 no.5:
27-29 '62. (MIRA 15:7)
(Moscow--Confectioners)

L 45415-65
ACCESSION NR: AP5011486

UR/0348/65/000/001/0009/0010

9

AUTHOR: Solov'yev, P. (Chief of plant protection station, L'vov)

TITLE: Collective farm technicians are studying

SOURCE: Zashchita rasteniy ot vrediteley i bolezney, no. 1, 1965, 9-10

TOPIC TAGS: agriculture, education, insect control, pest control, disease control

ABSTRACT: Teams for agricultural pest and plant disease control are being selected and trained in the L'vov oblast to diminish crop losses. Over 400 members and 83 specialists are already at work. A 2-week course of study has been developed. It includes (with 40% of the time given to practical work): 1) intensification of agriculture and application of chemistry; 2) losses due to pests and diseases; 3) methods of control; 4) toxic chemicals; 5) equipment and machinery; 6) most dangerous pests and diseases; 7) Colorado beetle control; 8) methods for preventing and destroying Colorado beetle; 9) control of potato pests; 10) chemical destruction of weeds; 11) control of small rodents; 12) effectiveness determination of control measures; 13) organization for the airborne distribution of chemicals; 14) organization of disease control; 15) problems of collective farms in controlling pests and diseases. The work takes 87 hours, with 48 given to theoretical studies and 39 to

Card 1/2

L 45415-65
ACCESSION NR: AP5011488

practical experience. The graduates increased the area treated with pesticides from 300 000 hectares in 1962 to 472 000 hectares in 1964. The names of the most outstanding technicians, their locations, and their major attainments are listed. Orig. art. has 1 table.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: LS

NO REF Sov: 000

OTHER: 000

me
Card 2/2

BEYING, Ya.L., SOLOV'YEV, P.A.

Manufacture of furniture panels from nondimensional cuttings
of wood particle boards. Der.prom. 14 no.11:23 N '65.
(MJRA 18:11)

1. Leningradskaya mebel'naya fabrika No.3.

SEARCHED INDEXED

AUTHOR: Solov'ev, P.A.

49-12-8/16

TITLE: Earthquakes in Central Yakutia (Zemletryaseniye v tsentral'noy Yakutii)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya Geofizicheskaya, 1957, no.12, pp. 1507 - 1509 (USSR).

ABSTRACT: Information is summarised which was collected by the author between February 3 - 7, 1956 on the earthquake of January 29, 1956 at the points nos. 1 - 7 and 19 - 21 of the map, Fig.1, p.1508, located approximately at 61°30' latitude and 131° E longitude. Information was also received on the earthquakes at the points 11, 13, 16 and the points 8, 9, 10, 12, 14, 15, 17, 18, 22, 23. Earthquakes in the Yakutsk region are of great interest since they are rare phenomena in this part of the Siberian platform. For recording similar earthquakes, the author considers it advisable to organise a seismic station in Yakutsk. There are 1 figure and 2 slavic references.

ASSOCIATION: Ac.Sc. USSR N.E. Division of the Institute of Frost Research im. V.A. Obruchev
(AN SSSR, Severo-vostochnoye otdeleniye Instituta merzlotovedeniya im. V.A. Obrucheva)

Card 1/2

SOLOV'IEV, P.A.; GRAVE, N.A., otv.red.; YEFIMOV, A.I., otv.red.; KOTLYA-
REVSKAYA, P.S., red.izd-va; SIMKINA, G.S., tekhn.red.

[Permafrost zone in the northern part of the Lena-Amga inter-
fluve] Kriolitozona severnoi chasti Leno-Amginskogo mezdu-
rech'ia. Moskva, Izd-vo Akad.nauk SSSR, 1959. 143 p.

(MIRA 13:1)

(Lena Valley--Frozen ground)
(Amga Valley--Frozen ground)

SOLOV'YEV, P.A.

Effect of the buildings of Yakutsk on the temperature of permanently frozen ground. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1:179-191 '58. (MIRA 16:12)

• USSR/Cultivated Plants. Grains.

Obs Jour: Ref Zhur-Biol., No 5, 1958, 2026.

a height of 12-13 meters. Seed samples for testing were taken from the harvest, cultivated under the protection of forest belts and on the open steppe. The wheat seed formation and harvest proceeded with insufficient moisture. The forest strips exerted a positive effect on the harvest (an additional 30-50%). All tested varieties of soft and durum summer wheat had a reduced percentage of albumin and higher starch content as a result of the greater soil moisture when protected by the forest belts. This was seen to a greater degree in the Lyutestsens 62 and Tsezium 111 soft wheat varieties, and less in the Melyanopus 69 and Cordeiforme 675 durum wheat varieties. The average amount of albumin in the yield cultivated under the protection of forest belts was higher than that cultivated on the open steppe.

Card : 2/2

SOLOV'YEV, P.A.

From the practices of plant quarantine in Stavropol Territory.
Zashch. rast. ot vred. i bol. 4 no.5:44-45 S-O '59. (MIRA 16:1)

1. Nachal'nik Stavropol'skoy krayevoy gosudarstvennoy inspeksi
po karantinu rasteniy.
(Stavropol Territory—Plant quarantine)

SOLOV'YEV, P.A.

A large reserve. Zashch. rast. ot vred. i bol. 8 no. 5:12-13 My
'63. (MIRA 16:9)

1. Nachal'nik L'vovskoy stantsii zashchity rasteniy.
(Lvov Province—Spraying and dusting in agriculture)

SOLOV'YEV, P.A., inzhener.

Experiments with costly veneers in the furniture industry. Der.prom.
4 no.2:25 F '55. (MLBA 8:4)

1. Leningradskaya mebel'naya fabrika No.3
(Veneers and veneering) (Furniture industry)

SOLOV'YEV, P.A., inzhener; MEYLIN, Ya.L.

Furniture panels with wood fiber boards. Der.prom.4 no.7:22-23
J1 '55.
(MIRA 8:10)

1. Leningradskaya mebel'naya fabrika no.3
(Leningrad--Furniture industry)

Pol. V. V. A.

Take better use of machinery. Factors, inst. at level. 1 bol. 9
no. 416-7 164. (KRA 17:5)

1. Nauchn'ik ³ rovkiy stantsii zashchity rasteniy.

24.01.47, Petr E. Savchenko

The installation of lighting and electrical equipment Izd. 5. perer. Moskva, Gos. energ. izd-vu, 1946. 240 p. (49-26889)

TK146.S65 1946

SOLOV'YEV, P. F.

RA 1/2/81

USSR/Electricity

Aug 48

Electrical Equipment
Industrial Equipment

"Thirty Years of Planning and Maintenance Activity in
the Electrification of Industrial Enterprises," K. D.
Kofman, P. F. Solov'yev, S. M. Livshits, A. P. Balonov,
Engineers, Moscow, 4 pp

"Elektrичество" No 8

Describes main projects of Glavelektromontazh 1918-1948
under: metallurgy, engineering, textiles, paper and
cellulose, and polygraphy. Gives important planning
decisions made and brief note on personnel.

15/49137

USSR/Engineering - Electrification
Literature

Oct 4)

"Review of V. I. Korol'kova and Ya. K. Rozoskiy's Book, 'Safety Engineering in Electrical Installations,'" Docent L. P. Podol'skiy, Cand Tech Sci, All-Union Coll Power Eng Inst, P. F. Solov'yev, Engr, "Glatelektromontazh," Min of Constr of Heavy Ind Enterprises, 3 pp

"Elektricheskvo" No 10

Critically reviews subject book which contains 23 placards on safety engineering. Materials vary as to scientific level, in some cases being below the level of the electrician, and in other cases demanding engineering training. Other points criticized are unrelated material, loose terminology, poor illustrations, poor paper, etc.

Pa. 150T29

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652320003-9

SOLCV'EV, P. F.

"Handbook for Electricians", published by State Publishers of Energetic Literature,
Moscow, 1959

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652320003-9"

PA 171T36

USSR/Electricity - Installation Regulations - Oct 50

Electrical Equipment

"Regulations for Installing Electrotechnical Equipment," D. V. Agranovskiy, Engr, Teplo-elektronproekt Trust, P. F. Solor'jev, Engr, Glavelektromontazh Trust, Min of Constr of Heavy Ind Enterprises, M. S. Trifel', Engr, Baku

"Elektrichesvo" No 10, pp 88-90

Concludes discussion conducted by editor on regulations for installing electrotechnical equipment, and claims exchange of views between all

171T36

USSR/Electricity - Installation Regulations (Contd) - Oct 50

interested branches has been of great value. Conclusions reached were expected to influence meeting convened by VNIIEG at Leningrad in Oct 50 to discuss All-Union regulations on this subject.

171T36

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652320003-9

Библиотека МГУ им. М.В.Ломоносова.

Wiring systems and electric lighting installations (Electrician's handbook)
2. part. i dop. izd. Moskva, Gos. energ. izd-vo, 1951. 231 p.
(Spravochnik elektro-montera, vyp. 2) (52-44638)

TK151.S67 1951

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652320003-9"

Советский Союз.

Technology

Wiring systems and electric lighting installations (Electrician's handbook) 2. perer. i dop.
izd. Moskva, Gos. energ. izd-vo. Vol. 2, 1951.

Monthly List of Russian Accessions, Library of Congress, October 1952. Unclassified.

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652320003-9

SECRET
Approved for release under the Access to Information Act.
Document released under the Access to
Information Act on 2017-07-07, 2017.

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652320003-9"

KAYETANOVICH, Mikhail Mikhaylovich; SMIRNOV, A.D., inzh., red.; SOKOLOV'YEV,
P.F., inzh., red.; ANASTASIYEV, P.I., red.; BOJUNOV, M.I., tekhn.
red.

[Erection of overhead electric power lines with a rating up to
35 kv.] Montazh vozdushnykh linii elektroperedachi do 35 kv.
Izd.2., perer. Moskva, Gos.energ.izd-vo, 1960. 222 p. (Spre-
vochnik elektronika, no.7). (MIRA 13:?)
(Electric lines--Overhead)

KAYETANOVICH, Mikhail Mikhailovich, inzhener; SMIRNOV, A.D., inzhener,
redaktor; SOLOV'YEV, P.F., inzhener, redaktor; GORTINSKIY, S.M.,
redaktor; VORONIN, K.P., tekhnicheskij redaktor.

[An electrician's handbook] Spravochnik elektromontera. Vol. 7.
[Installation of overhead electric lines with voltage up to 35 KV]
Montazh vozdushnykh linii elektroperedachi do 35 kv. Pod obshchej
red. A.D. Smirnova i P.F. Solov'yeva. Moskva, Gos. energ. izd-vo, 1954.
302 p.

(MIRA 8:1)

(Electric lines--Overhead)

SOLOV'YEV, Petr Fedorovich, inzhener; SAPAROVA, A.L., redaktor; FRIDKIN ,
A.M. tekhnicheskiy redaktor.

[Safety engineering] Tekhnika bezopasnosti. 2-3, perer. i dop.
izd. Moskva, Gos.energoizd-vo, 1955. 223 p. (Spravochnik elektro-
montera, no.5) (MLRA 8:8)
(Electric engineering--Safety measures)

SOLOV'YEV, Petr Fedorovich; GORTINSKIY, S.M., redaktor; VORONIN, K.P.
tekhnicheskiy redaktor

[Principles of installation and operating electric equipment of
industrial plants] Osnovy montazha i ekspluatatsii elektro-
oborudovaniia promyshlennyykh ustavovok. 3-e perer. i dop.izd.
Moskva, Gos.energ. izd-vo, 1955. 383 p. (MLRA 8:10)
(Electric engineering)

IVANOVA, Lyudmila Marianovna; SOLOV'YEV, P.F., inzh., nauchnyy red.;
KAUFMAN, I.M., red.; KHMEL'EMSKAYA, L.M., tekhn.red.

[Manual for electricians] V pomoshch' elektromonteru. Moskva,
Gos. biblioteka SSSR im. V.I.Lenina, 1957. 88 p. (MIRA 11:5)
(Bibliography--Electric engineering)